SLAG—IRON AND STEEL STATISTICS
By Thomas D. Kelly and Rustu S. Kalyoncu
[All values in metric tons (t) unless otherwise noted]

Year	Production	Imports	Exports	Apparent consumption	Unit value ($/t)	Unit value (98$/t)
1942	17,300,000			17,300,000	0.84	8.40
1943	15,000,000			15,000,000	0.93	8.80
1944	11,300,000			11,300,000	0.97	9.00
1945	11,500,000			11,500,000	1.00	9.09
1946	15,200,000			15,200,000	1.08	9.01
1947	17,800,000			17,800,000	1.21	8.84
1948	19,200,000			19,200,000	1.29	8.69
1949	19,600,000			19,600,000	1.38	9.48
1950	22,600,000			22,600,000	1.44	9.71
1951	26,600,000			26,600,000	1.50	9.46
1952	24,400,000			24,400,000	1.53	9.39
1953	27,700,000			27,700,000	1.60	9.73
1954	26,500,000			26,500,000	1.64	9.94
1955	29,400,000			29,400,000	1.73	10.60
1956	32,000,000			32,000,000	1.72	10.30
1957	29,800,000			29,800,000	1.86	10.80
1958	25,800,000			25,800,000	1.60	9.04
1959	25,700,000			25,700,000	2.02	11.30
1960	26,100,000			26,100,000	2.02	11.10
1961	23,300,000			23,300,000	2.04	11.10
1962	21,300,000			21,300,000	2.12	11.40
1963	21,500,000			21,500,000	2.12	11.30
1964	24,400,000			24,400,000	2.10	11.10
1965	27,300,000			27,300,000	2.08	10.70
1966	28,400,000			28,400,000	1.81	9.12
1967	31,300,000			31,300,000	1.90	9.28
1968	31,700,000			31,700,000	1.92	9.03
1969	33,600,000			33,600,000	2.02	9.00
1970	30,600,000	1,720	26,400	30,500,000	2.00	8.38
1971	30,200,000	2,110	19,700	30,200,000	2.13	8.59
1972	31,900,000	1,320	24,900	31,900,000	2.22	8.64
1973	35,000,000	1,150	33,700	34,900,000	2.30	8.43
1974	35,100,000		47,100	35,100,000	2.41	7.96
1975	29,600,000			29,600,000	2.70	8.19
1976	29,600,000			29,600,000	2.97	8.51
1977	29,400,000			29,400,000	3.08	8.29
1978	33,400,000			33,400,000	3.33	8.31
1979	32,400,000			32,400,000	3.76	8.45
1980	22,900,000			22,900,000	4.46	8.83
1981	19,500,000			19,500,000	4.77	8.56
1982	17,700,000			17,700,000	4.95	8.36
1983	16,700,000			16,700,000	5.24	8.57
1984	20,000,000			20,000,000	5.66	8.88
1985	19,100,000	10,900	379,000	18,800,000	6.02	9.12
1986	19,100,000	27,200	18,100	19,100,000	6.38	9.49
1987	19,300,000	121,000	331,000	19,100,000	5.99	8.60
1988	19,600,000	155,000	1,000	19,800,000	6.10	8.41
1989	20,700,000	100,000	7,000	20,800,000	5.77	7.59
1990	21,900,000	227,000	5,000	22,100,000	5.78	7.21
1991	20,300,000	150,000	5,000	20,400,000	6.60	7.90

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Year	Production	Imports	Exports	Apparent consumption	Unit value ($/t)	Unit value (98$/t)
1992	21,400,000	100,000	4,000	21,500,000	6.25	7.26
1993	19,000,000	162,000	4,000	19,200,000	6.63	7.48
1994	20,100,000	199,000	4,000	20,300,000	6.97	7.66
1995	21,000,000	280,000	4,000	21,300,000	6.86	7.33
1996	20,500,000	346,000	3,000	20,800,000	6.88	7.15
1997	18,900,000	663,000	9,000	19,600,000	7.25	7.36
1998	18,400,000	670,000	10,000	19,100,000	8.15	8.15

Slag—Iron and Steel Worksheet Notes

Data Sources
The sources of data for the slag—iron and steel worksheet are the mineral statistics publications of the U.S. Bureau of Mines and the U.S. Geological Survey—Minerals Yearbook (MYB) and Mineral Commodity Summaries (MCS). Blank cells in the worksheet indicate that data were not available.

Production
Production of iron and steel slag is the sum of blast furnace slag and steel slag reported as total sales in the MYB for the years 1942–98. Data on total slag production are not collected.

Imports
Imports are reported from the MYB for the years 1970–73 as the sum of slag, dross, and scaling. For the years 1985–98, imports are reported in the MCS as "imports." For the years 1942–69 and 1974–84, import data were not available.

Exports
Exports are reported from the MYB for the years 1970–74 as the sum of slag, dross, and scaling. For the years 1985–98, exports are reported in MCS as "exports." For the years 1942–69 and 1975–84, export data were not available.

Apparent Consumption
Apparent consumption was estimated by the following formula:
$$APPARENT\ CONSUMPTION = PRODUCTION + IMPORTS - EXPORTS.$$
For the years that imports and exports were not available, production was assumed to be equal to apparent consumption.

Unit Value ($/t)
Unit value is defined as the value in current dollars of 1 metric ton (t) of slag apparent consumption. Unit value was estimated by dividing total slag production value by total slag production quantity reported in the MYB.

Unit Value (98$/t)
Unit value in 1998 dollars is calculated by dividing unit value in actual dollars by the consumer price index conversion factor with a base year of 1998.

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For more information, please contact:

Rustu S. Kalyoncu
USGS Slag—Iron and Steel Commodity Specialist
(703) 648–7720
rkalyonc@usgs.gov

Thomas D. Kelly
Minerals and Materials Analysis Section, USGS
(303) 236–8747 x 269
kellyt@usgs.gov